10/422,732

313/112,113, 115

I claim:

1.) A modified high-brightness flat lamp structure comprising a reflecting plate with titanium dioxide and macromolecular polymer coated thereon, a plurality of UV light sources and a transparent substrate with macromolecular polymer and fluorescent powder coated thereon, said UV light sources being arranged in said reflecting plate, said transparent substrate covering said reflecting plate, UV light emitted by said UV light sources and reflected by said reflecting plate then exciting said fluorescent powder to radiate high-brightness visible light.

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- 2. The flat lamp structure as claimed in claim 1, wherein said titanium dioxide 10 and macromolecular polymer is coated on an inner wall of said reflecting plate.
 - 3. The flat lamp structure as claimed in claim 1 and 2, wherein said reflecting plate is a reflecting plate capable of reflecting UV light.
- 4. The flat lamp structure as claimed in claim 1, wherein said reflecting plate 15 is cavity-shaped.
 - 5. The flat lamp structure as claimed in claim 1, wherein said macromolecular polymer and fluorescent powder is coated on an inner wall of said transparent substrate.
- 6. The flat lamp structure as claimed in claim 1, wherein said macromolecular 20 polymer and fluorescent powder is coated on an outer wall of said transparent substrate.
 - 7. The flat lamp structure as claimed in claim 1, wherein said UV light sources are UV lamp tubes.

Bahadur 6 Le, le 39,349 Not relied upon

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	8. The flat lamp structure as claimed in claim 1, wherein said UV light sources
	are UV light-emitting diodes. Cleckman 5,684, 354 in Boernehedal 9. The flat lamp structure as claimed in claim 1, wherein said transparent 6,051,925
	9. The flat lamp structure as claimed in claim 1, wherein said transparent $\frac{U_1 \cup U_2}{U_1 \cup U_2}$
5	substrate is made of polymethyl methacrylate (PMMA). 10. The flat lamp structure as claimed in claim 1, wherein said transparent (607,286)
	substrate is made of polycarbonate (PC).
	11. The flat lamp structure as claimed in claim 1, wherein said transparent Kaminshyell substrate is made of polyethylene terephthalate (PET). 6,583,936
	substrate is made of polyethylene terephthalate (PET). $6,583,936$
•	12. The flat lamp structure as claimed in claim 1, wherein said transparent
10	substrate is made of quartz glass. Harelf 5,827,449
	13. The flat lamp structure as claimed in claim 1, wherein said transparent
	substrate is made of sodium-containing glass. Soda glass: Tro Xell 5,646,479
	14. The flat lamp structure as claimed in claim 1, wherein said transparent
	substrate is made of boron-containing silicate glass. $5, 692,672$
15	15. The flat lamp structure as claimed in claim 1, wherein said transparent
	substrate is made of lead-sodium-silicate glass. (N 142 5621
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